

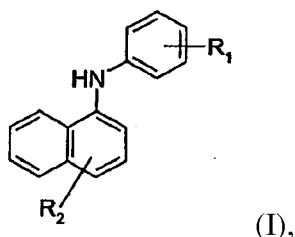
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A composition consisting essentially of~~which comprises~~

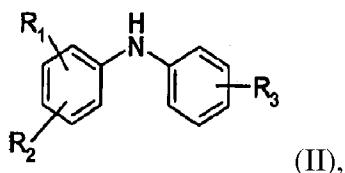
A) An additive mixture consisting essentially of~~that essentially consists of~~

a) At least one compound:



wherein one of R_1 and R_2 independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and

b) At least one compound:



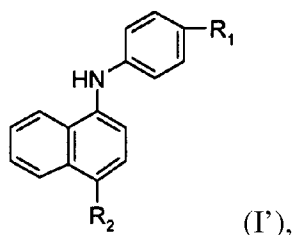
wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl, branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and R_3 represents a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl, branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and

B) A base oil of lubricating viscosity which is~~composition of matter~~ susceptible to oxidative, thermal or light induced degradation.

2. (Currently Amended) A composition consisting essentially of~~which comprises~~

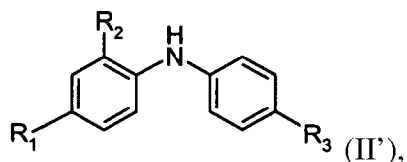
A) An additive mixture consisting essentially of ~~which essentially consists of~~

a) At least one compound:



wherein one of R₁ and R₂ independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl or an isomer thereof; and

b) At least one compound:



wherein R₁ and R₂ independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl, branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and R₃ represents a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl, branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl or an isomer thereof; and

B) A base oil of lubricating viscosity ~~which is composition of matter~~ susceptible to oxidative, thermal or light induced degradation.

3. (Currently Amended) A composition according to claim 2, wherein the ~~which comprises an additive mixture has that essentially consists of~~

a) At least one compound (I'), wherein one of R₁ and R₂ independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl, 1-phenylethyl and 2-phenyl-2-propyl and the other one represents a

hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl, 1-phenylethyl and 2-phenyl-2-propyl; and

b) At least one compound (II'), wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of tert-butyl, 2,4,4-trimethyl-2-pentyl, 2,4-dimethyl-2-heptyl, 1-phenylethyl and 2-phenyl-2-propyl; and R_3 represents a hydrocarbon radical selected from the group consisting of tert-butyl, 2,4,4-trimethyl-2-pentyl, 2,4-dimethyl-2-heptyl, 1-phenylethyl and 2-phenyl-2-propyl.

4. (Currently Amended) A composition according to claim 2, ~~wherein the~~ which comprises an additive mixture ~~has that essentially consists of~~

a) At least one compound (I'), wherein one of R_1 and R_2 independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl; and

b) At least one compound (II'), wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of tert-butyl, 2,4,4-trimethylpent-2-yl, 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl; and R_3 represents a hydrocarbon radical selected from the group consisting of tert-butyl, 2,4,4-trimethylpent-2-yl, 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl.

5. (Currently Amended) A composition according to claim 2, ~~wherein the~~ which comprises an additive mixture ~~has that essentially consists of~~

a) At least one compound (I'), wherein one of R_1 and R_2 independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl; and

b) At least one compound (II'), wherein R_1 and R_2 independently of one another represent

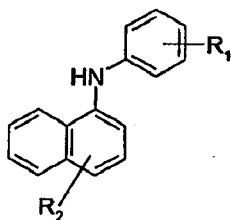
hydrogen or a hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl; and R₃ represents a hydrocarbon radical selected from the group consisting of 2,4-dimethyl-2-heptyl and 2-phenyl-2-propyl.

6. (Currently Amended) A composition according to claim 1, wherein the base oil of lubricating viscosity~~composition of matter~~ of component B) ~~susceptible to oxidative, thermal and light induced degradation~~ is a natural, semi-synthetic or synthetic polymer or a functional fluid.

7. (Currently Amended) A composition according to claim 6, wherein the functional fluid is a lubricant, machining fluid, motor oil, turbine oil, gear oil, metal-working fluid or a hydraulic fluid.

8. (Currently Amended) A composition according to claim 1, which additionally contains conventional additives suitable for protecting a base oil of lubricating viscosity which is~~composition of matter~~ susceptible to oxidative, thermal and light induced degradation.

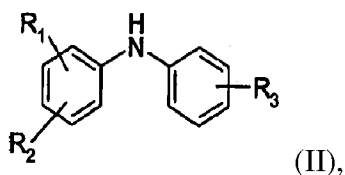
9. (Currently Amended) An additive mixture consisting essentially of~~that consists essentially of~~
a) At least one compound



(I),

wherein one of R₁ and R₂ independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and

b) At least one compound



wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl, branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and R_3 represents a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl, branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl.

10-18. (Canceled).

19. (New) A process for stabilizing a base oil of lubricating viscosity, which process comprises adding or applying to the base oil an additive mixture according to claim 1.

20. (New) A process for preparing an additive mixture according to claim 1, which process comprises alkylating N- α -naphthyl-N-phenylamine (PANA) or a mixture of PANA and diphenylamine with nonene or a mixture of isomeric nonenes in the presence of styrene or α -methylstyrene and an acidic catalyst and adding to the reaction mixture a compound (II) wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of tert-butyl and branched octyl and R_3 represents branched octyl.

21. (New) A process for preparing an additive mixture according to claim 1, which process comprises alkylating N- α -naphthyl-N-phenylamine (PANA) with nonene or a mixture of isomeric nonenes in the presence of α -methylstyrene and an acidic catalyst and adding to the reaction mixture a compound (II) or a mixture of the compound (II), wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl and branched nonyl and R_3 represents a hydrocarbon radical selected from the group consisting of tert-butyl, branched octyl and branched nonyl.

22. (New) A process for the preparation of a mixture comprising at least one compound (I) according to claim 1, wherein one of R_1 and R_2 independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl, which process comprises alkylating N- α -naphthyl-N-phenylamine (PANA) with nonene or a mixture of isomeric nonenes in the presence of styrene or α -methylstyrene and an acidic catalyst.

23. (New) A process for the preparation of a mixture comprising at least one compound (I) according to claim 1, wherein one of R_1 and R_2 independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and at least one compound (II) according to claim 1, wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl; and R_3 represents a hydrocarbon radical selected from the group consisting of branched nonyl, 1-phenylethyl and 2-phenyl-2-propyl, which process comprises alkylating N- α -naphthyl-N-phenylamine (PANA) or a mixture of PANA and diphenylamine with nonene or a mixture of isomeric nonenes in the presence of styrene or α -methylstyrene and an acidic catalyst.

24. (New) A process for the preparation of a mixture comprising at least one compound (I) according to claim 1, wherein one of R_1 and R_2 independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of branched nonyl and 2-phenyl-2-propyl, which process comprises alkylating N- α -naphthyl-N-phenylamine (PANA) with nonene or a mixture of isomeric nonenes in the presence of α -methylstyrene and an acidic catalyst.

25. (New) A process for the preparation of a mixture comprising at least one compound (I) according to claim 1, wherein one of R_1 and R_2 independently of one another represents hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl and 2-phenyl-2-propyl and the other one represents a hydrocarbon radical selected from the group consisting of branched nonyl and 2-phenyl-2-propyl; and at least one compound (II) according to claim 1, wherein R_1 and R_2 independently of one another represent hydrogen or a hydrocarbon radical selected from the group consisting of branched nonyl and 2-phenyl-2-propyl; and R_3 represents a hydrocarbon radical selected from the group consisting of branched nonyl and 2-phenyl-2-propyl, which process comprises alkylating N- α -naphthyl-N-phenylamine (PANA) or diphenylamine with nonene or a mixture of isomeric nonenes in the presence of α -methylstyrene and an acidic catalyst.